

REMARKS

Applicants have amended their specification in order to correct errors therein. It is respectfully submitted that these amendments to the specification do not add new matter to the application.

Applicants have amended their original claims to delete multiple dependency, prior to calculation of the filing fee. In view of the amendments to the original claims, it is respectfully submitted that the present application is not subject to the multiple dependency claim fee. Moreover, in light of the canceling of multiple dependency, Applicants have added new claims 27-36 to the application, to provide claims of the same scope as the multiple dependent claims.

Entry of the present amendments, and examination of the above-identified application on the merits in due course, are respectfully requested.

Attached hereto is a marked-up version of the changes made in the specification and claims by the current Preliminary Amendment. This marked-up version is on the attached pages, the first page of which is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

To the extent necessary, Applicants petition for an extension of time under 37 CFR § 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to the Deposit

Account No. 01-2135 (Case No. 566.40319X00) and please credit  
any excess fees to such Deposit Account.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

Please delete the paragraph from page 10, line 25 to page 11, line 4, and substitute therefor the following new paragraph:

The salts of carboxylic acids include soap, salts of N-acylamino acids, polyoxyethylene alkyl ether-carboxylates, [salts of polyoxypropylene alkyl ether-carboxylic acids,] polyoxypropylene alkyl ether-carboxylates, acylated peptides, etc.

Please delete the paragraph from page 12, line 10 to page 11, line 12, and substitute therefor the following new paragraph:

In addition, the following surfactants are also preferred for use herein:

esters such as glycerin ester, sorbitan esters, methoxyacetate, ethoxyacetate and 3-ethoxypropionate, alanine ethyl ester, etc.;

ethers such as polyethylene glycols, polypropylene glycols, polytetramethylene glycols, polyethylene glycol alkyl ethers, polyethylene glycol alkenyl ethers, alkylpolyethylene glycols, alkylpolyethylene glycol alkyl ethers, alkylpolyethylene glycol alkenyl ethers, alkenylpolyethylene glycols, alkenylpolyethylene glycol alkyl ethers, alkenylpolyethylene glycol alkenyl ethers, polypropylene

glycol alkyl ethers, polypropylene glycol alkenyl ethers, alkylpolypropylene glycols, alkylpolypropylene glycol alkyl ethers, alkylpolypropylene glycol alkenyl ethers, alkenylpolypropylene glycols, alkenylpolypropylene glycol alkyl ethers, alkenylpolypropylene glycol alkenyl ethers, etc.;

sulfonic acids such as methyltauric acid, methyl sulfate, butyl sulfate, vinylsulfonic acid, 1-allylsulfonic acid, 2-allylsulfonic acid, methoxymethylsulfonic acid, ethoxymethylsulfonic acid, 3-ethoxypropylsulfonic acid, [methoxymethylsulfonic acid, ethoxymethylsulfonic acid, 3-ethoxypropylsulfonic acid, sulfosuccinic acid,] etc.;

salts of sulfonic acids such as ammonium methyltaurate, sodium methyltaurate, sodium methylsulfate, ammonium ethylsulfate, ammonium butylsulfate, sodium vinylsulfonate, sodium 1-allylsulfonate, sodium 2-allylsulfonate, sodium methoxymethylsulfonate, ammonium ethoxymethylsulfonate, sodium 3-ethoxypropylsulfonate, [sodium methoxymethylsulfonate, ammonium ethoxymethylsulfonate, sodium 3-ethoxypropylsulfonate,] sodium sulfosuccinate, etc.; and

amides such as propionamide, acrylamide, methylurea, nicotinamide, succinamide, sulfanylamide, etc.

Please delete the paragraph from page 14, line 17 to page 15, line 10, and substitute therefor the following new paragraph:

Alcohols such as methanol, ethanol, 1-propanol, 2-

propanol, 2-propyn-1-ol, allyl alcohol, ethylene cyanohydrin, 1-butanol, 2-butanol, (S)-(+)-2-butanol, 2-methyl-1-propanol, t-butyl alcohol, perfluoro-t-butyl alcohol, t-pentyl alcohol, 1,2-ethanediol, 1,2-propanediol, 1,3-propanediol, 1,3-butanediol, 2,3-butanediol, 1,5-pentanediol, 2-butene-1,4-diol, 2-methyl-2,4-pentanediol, glycerin, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,2,6-hexanetriol, etc.;

Ethers such as dioxane, trioxan, tetrahydrofuran, diethylene glycol diethyl ether, 2-methoxyethanol, 2-ethoxyethanol, 2,2-(dimethoxy)ethanol, 2-isopropoxyethanol, 2-butoxyethanol, 1-methoxy-2-propanol, 1-ethoxy-2-propanol, furfuryl alcohol, tetrahydrofurfuryl alcohol, ethylene glycol, diethylene glycol, diethylene glycol monomethyl ether, diethylene glycol monoethyl ether, diethylene glycol monobutyl ether, triethylene glycol, triethylene glycol monomethyl ether, tetraethylene glycol, dipropylene glycol, dipropylene glycol monomethyl ether, dipropylene glycol monoethyl ether, tripropylene glycol monomethyl ether, [polyethylene glycol,] diacetone alcohol, 2-methoxyethyl acetate, 2-ethoxyethyl acetate, diethylene glycol monoethyl ether acetate, etc.;

Ketones such as acetone, methyl ethyl ketone, acetylacetone, cyclohexanone, etc.

Please delete the paragraph beginning at page 16, line 2 to page 17, line 26, and substitute therefor the following new paragraph:

Preferred examples of the protective film-forming agent

for use in the invention are mentioned below:

ammonia;

amines, for example, alkylamines such as dimethylamine, trimethylamine, triethylamine, propylenediamine, etc.; ethylenediaminetetraacetic acid (EDTA), sodium diethyldithiocarbamate, chitosan, etc.;

amino acids such as glycine, L-alanine,  $\beta$ -alanine, L-2-aminobutyric acid, L-norvaline, L-valine, L-leucine, L-norleucine, L-isoleucine, L-alloisoleucine, L-phenylalanine, L-proline, sarcosine, L-ornithine, L-lysine, taurine, L-serine, L-threonine, L-allothreonine, L-homoserine, L-tyrosine, 3,5-diiodo-L-tyrosine,  $\beta$ -(3,4-dihydroxyphenyl)-L-alanine, L-thyroxine, 4-hydroxy-L-proline, L-cysteine, L-methionine, L-ethionine, L-lanthionine, L-cystathionine, L-cystine, L-cystein acid, L-aspartic acid, L-glutamic acid, S-(carboxymethyl)-L-cysteine, 4-aminobutyric acid, L-asparagine, L-glutamine, azaserine, L-arginine, L-canavanine, L-citrulline,  $\delta$ -hydroxy-L-lysine, creatine, L-kynurenine, L-histidine, 1-methyl-L-histidine, 3-methyl-L-histidine, ergothioneine, L-tryptophan, actinomycin C1, apamine, angiotensin I, angiotensin II, antipine, etc.;

imines such as dithizone, cuproin (2,2'-biquinoline), neocuproin (2,9-dimethyl-1,10-phenanthroline), vasocuproin (2,9-dimethyl-4,7-diphenyl-1,10-phenanthroline), cuperazone (biscyclohexanone-oxalylhydrazone), etc.;

azoles such as benzimidazole-2-thiol, 2-[2-(benzothiazolyl)]thiopropionic acid, 2-[2-(benzothiazolyl)]thiobutyric acid, 2-mercaptobenzothiazole,

1,2,3-triazole, 1,2,4-triazole, 3-amino-1H-1,2,4-triazole, benzotriazole, 1-hydroxybenzotriazole, 1-dihydroxypropylbenzotriazole, 2,3-dicarboxypropylbenzotriazole, 4-hydroxybenzotriazole, 4-carboxyl-1H-benzotriazole, 4-methoxycarbonyl-1H-benzotriazole, 4-butoxycarbonyl-1H-benzotriazole, 4-octyloxycarbonyl-1H-benzotriazole, 5-hexylbenzotriazole, N-(1,2,3-benzotriazolyl-1-methyl)-N-(1,2,4-triazolyl-1-methyl)-2-ethylhexylamine, tolyltriazole, naphthotriazole, bis[(1-benzotriazolyl)methyl]phosphonic acid, etc.;

mercaptans such as nonylmercaptan, dodecylmercaptan, triazinethiol, triazinedithiol, triazinetrithiol, etc.;

polysaccharides such as alginic acid, pectic acid, carboxymethyl cellulose, curdlane, pullulane, etc.;

salts of amino acids such as glycine ammonium salt, glycine sodium salt, etc.;

polycarboxylic acids and their salts, such as polyaspartic acid, polyglutamic acid, polylysine, polymalic acid, polymethacrylic acid, ammonium polymethacrylate, sodium polymethacrylate, polyamidic acid, polymaleic acid, polyitaconic acid, polyfumaric acid, poly(p-styrenecarboxylic acid), polyacrylic acid, polyacrylamide, aminopolyacrylamide, ammonium polyacrylate, sodium polyacrylate, [polyamidic acid] ammonium polyamdate, sodium polyamdate, polyglyoxylic acid, etc.; and

vinyl polymers such as polyvinyl alcohol, polyvinylpyrrolidone, polyacrolein, etc.

Please delete the paragraph at page 27, lines 14-20, and substitute therefor the following new paragraph:

In a case where a protective film-forming agent is divided into three portions to be separately in three constituent elements, the metal-polishing liquid material may be composed of, for example, a first constituent element A that comprises an oxidizing agent and a part of the protective film-forming agent, a second constituent element B that comprises an oxidized-metal etchant and another part of the protective film-forming agent, and a third constituent element C that comprises the remaining part of the protective film-forming agent and a dissolution promoter.

IN THE CLAIMS

Please amend the claims presently in the application as follows:

4. (Amended) The metal-polishing liquid material according to claim [1 or] 2, wherein the dissolution promoter is a surfactant.

6. (Amended) The metal-polishing liquid material according to claim [1 or] 2, wherein the dissolution promoter is a solvent in which the solubility of the protective film-forming agent is at least 25 g/liter.

10. (Amended) The metal-polishing liquid material



according to claim [1 or] 2, wherein at least a part of the protective film-forming agent is solid having a mean particle size of at most 100  $\mu\text{m}$ .

11. (Amended) The metal-polishing liquid material according to claim [1 or] 2, further comprising abrasive grains.

17. (Amended) A method for producing a metal-polishing liquid, comprising a step of diluting the metal-polishing liquid material of claim [1 or] 2 with a diluent.

20. (Amended) The method for producing a metal-polishing liquid according to claim [17 or] 19, wherein the diluent is water or an aqueous diluent solution.

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